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## Another Slotting Machine Bar.

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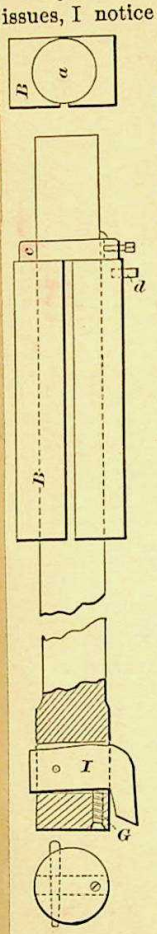
*Editor American Machinist:*

In your January 21 and February 11 issues, I notice slotting machine bars to which I have some objections. The bars themselves are too heavy for the tools they hold, and have to be taken out to change them around. I have seen a good many slotting machine bars, and I think a description of the best bar that I have seen will be of benefit to some of your readers.




SLOTTING MACHINE BAR.

The bar itself is turned steel, left a little larger at the tool end. It is held in a steel or wrought-iron sleeve, planed square and left as large as will pass through the tool posts. There is only about an $\frac{1}{8}''$ stock left on the narrow sides; one side is then cut open, so that when the set screws are tightened up the bar itself will be tight.

A small pin may be driven in the sleeve, to hold it from dropping down when loose, and a collar is put on the bar to hold that, so it can be turned round, lifted up or lowered, to suit the job, and held in place.

A tapered pin holds the tool in its place. The hole in the tool is reamed a little larger, so as to allow it to move easily. I never saw a tool of this kind break, and they are very easy to grind. A spring, as shown in the cut, holds the tool up. Tools can easily be made to cut down as far as the tool bar.

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[We have received from Mr. Frank French, of Atlanta, Ga., a sketch and description of a bar almost identical with the above, so that the cut answers for both of them. Mr. French states that the bar was not originated by him, but that he has used one of them for years with entire satisfaction.]